Toshiba LX835 Detailed Product Specification[1]

Model Name: LX835-D3220	Part Number: PQQ14U-004001	UPC: 022265196489

Operating System C1 2

- Genuine Windows® 7 Home Premium 64-bit, SP1

Processor[3] and Graphics[4]

- Intel® Core™ i5-3210M Processor
  - 2.5 GHz (3.1 GHz with Turbo Boost Technology 2.0), 3MB L3 Cache
- Mobile Intel® HM76 Express Chipset
- Mobile Intel® HD graphics with 64MB-1696MB shared graphics memory

Memory[5]

- Configured with 6GB DDR3 1600MHz (max 16GB)
- 2 memory slots. Both slots are occupied.

Storage Drive[6]

- 1TB (5900 RPM); Serial ATA hard disk drive

Fixed Optical Disk Drive[7]

- DVD SuperMulti drive supporting 11 formats
  - Maximum speed and compatibility: CD-ROM (24x), CD-R (24x), CD-RW (24x), DVD-ROM (8x), DVD-R (8x), DVD-R DL (8x), DVD-RW (8x), DVD+R (8x), DVD+R DL (6x), DVD+RW (8x), DVD-RAM (5x).

Display[8]

- 23.0" diagonal widescreen TruBrite® LED sidelight display at native resolution (FHD) with Tilt base
  - Touch Screen
  - Native support for 1080p content
  - 16:9 aspect ratio
  - 1920x1080

Sound

- Built-in Onkyo® stereo speakers
- SRS Premium Sound 3D™

Input Devices

- Premium Wireless Keyboard with 10-Keypad (black) and media buttons
- Wireless Mouse
- Buttons
  - Display Sleep
  - Display In via HDMI
  - AV select
  - AV Volume Up
  - AV Volume down
  - Brightness Up
  - Brightness Down
- Control Buttons (on wireless keyboard):
  - Power
  - Volume up
  - Volume down

Communications

- Webcam and microphone
- 10/100/1000 Ethernet
- WiFi® Wireless networking (802.11b/g/n)[9]
- Bluetooth® version 4.0

Expandability

- Memory Card Reader
  - Secure Digital, SDHC, SDXC, miniSD, microSD, Multi Media Card [shared slot]

Ports

- Video
  - HDMI-In
- Audio
  - Microphone input port
  - Headphone output port
  - R/L audio port
- Data
  - 6 USB ports ((2 USB v3.0 ports + 4 USB v2.0 ports (1 with USB Sleep and Charge[10]))
  - RJ-45 LAN port
- Security
  - Slot for Security Lock

Physical Description

- Silver
- Dimensions (W x D x H Front/H Rear): 22.2" x 3.15" x 16.3" with base
- Weight: starting at 15 lbs.[11]

Power

- 120W (19V 6.32A) 100-240V/50-60Hz AC Adapter.
  - Dimensions (W x H x D): 6.1" x 2.6" x 1.44"
  - Weight: starting at 1.22 lbs.

Software C1 12

- Toshiba Software and Utilities
  - TOSHIBA Bulletin Board
  - TOSHIBA Bluetooth Stack for Windows
  - TOSHIBA Disc Creator
  - TOSHIBA eco Utility™
  - TOSHIBA Face Recognition
  - TOSHIBA HDD/SSD Alert
  - TOSHIBA HW Setup Utility
  - TOSHIBA Media Controller[13]
  - TOSHIBA PC Health Monitor
  - TOSHIBA Recovery Disc Creator
  - TOSHIBA ReelTime
  - TOSHIBA Resolution+® Upconvert Technology[14]
  - TOSHIBA Service Station
  - TOSHIBA Sleep Utility
  - TOSHIBA Supervisor Password Utility
  - TOSHIBA Value Added Package
  - TOSHIBA Web Camera Application
- Third-party Software
  - Adobe® Acrobat® Reader
  - CyberLink PowerCinema 7.1 Touch Software
  - Google® Toolbar
  - Google® Chrome
  - Internet Explorer® 9
  - SRS premium Sound 3D™
  - Microsoft Touch Pack
  - Microsoft® Office Starter 2010[15]
  - Microsoft® Windows Media Player 12
  - Microsoft® Silverlight®
  - Microsoft® Live Essentials
    - Photo Gallery
    - Messenger
    - Mail
    - Writer
    - Movie Maker
- Special Offers and Trial Software
  - Amazon.com®
  - NetZero® Internet Service
  - Norton Internet Security™ 2012 (30-day trial subscription)
  - QuickBooks® Online Banking
  - Skype®
  - Toshiba Online Backup (30-day trial subscription)

1 YEAR STANDARD LIMITED WARRANTY[16]

Environmental Specifications

- This product is RoHS[17] compatible
- ENERGY STAR® Qualified

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- EPEAT™ Gold Rated

	Operating	Non-operating
Temperature[18]	5° to 35° C	-20° to 60° C
Thermal Gradient	15° C per hour (max)	20° C per hour (max)
Relative Humidity (non-condensing)	20% to 80%	10% to 90%
Altitude (relative to sea level)	0 to 3,000 meters	0 to 10,000 meters
Shock	10G	45G
Vibration	0.5G	1.0G

Service Upgrades and Extensions
Toshiba offers many different enhanced services such as SystemGuard®, On-Site Repair, and ServiceExpress to provide additional support to your notebook PC. For a full description and complete list of programs and program terms and conditions, please visit www.support.toshiba.com.

Accessories
For additional and most updated accessories, please visit www.accessories.toshiba.com

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Return Policy
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[C1] ***64-bit computing:***
64-bit computing requires that the following hardware and software requirements are met:
- 64-bit Operating System
- 64-bit CPU, Chipset and BIOS (Basic Input/Output System)
- 64-bit Device drivers
- 64-bit applications

Certain device drivers and/or applications may not be compatible with a 64-bit CPU and therefore may not function properly. See "Detailed Specs" for more information.

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[1] **Product Series Legal Footnote**. The product specifications and configuration information are designed for a product Series. Your particular model may not have all the features and specifications listed or illustrated. For more detailed information about the features and specifications on your particular model, please visit Toshiba's Web site at pcsupport.toshiba.com.

Product Offering Legal Footnote. Toshiba America Information Systems, Inc. reserves the right to modify or withdraw this offer at anytime without notice

[2] **Operating System**.

Also see ***64-Bit Computing*** Legal Footnote, if applicable.

Certain Microsoft® software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain reinstallations of the software product(s) or reconfigurations of the computer, and may be completed by Internet or telephone (toll charges may apply).

Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

[3] **Processor (Central Processing Unit)**. Also see ***64-Bit Computing*** Legal Footnote, if applicable.

CPU performance in your computer product may vary from specifications under the following conditions:

1. use of certain external peripheral products
2. use of battery power instead of AC power

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3. use of certain multimedia, computer generated graphics or video applications
4. use of standard telephone lines or low speed network connections
5. use of complex modeling software, such as high end computer aided design applications
6. use of several applications or functionalities simultaneously
7. use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
8. use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86° F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please visit the Toshiba website at www.pcsupport.toshiba.com for details).

CPU performance may also vary from specifications due to design configuration.Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. Use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product "Detailed Specs." Contact Toshiba Technical Service and Support for more information.

[4] **Graphics (Graphics Processing Unit)**. GPU performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.

Total Available Graphics Memory is the total of, as applicable, Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory will vary depending on system memory size and other factors.

[5] **Memory (Main System)**. Part of the main system memory may be used by the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors. Computers configured with a 32-bit operating system can address up to 3GB of system memory. Only computers configured with a 64-bit operating system can address 4 GB or more of system memory.

[6] **Storage Drive.** Computer (Internal) HDD Capacity. One Gigabyte (GB) means 10^9 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 2^{30} = 1,073,741,824 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the computer includes one or more pre-installed operating systems, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

[7] **Optical Drive**. Due to manufacturing and quality variations in third party optical media (e.g., CD or DVD) or optical media players/recorders, in certain cases, your Toshiba optical drive may not record on certain optical media that bear the applicable logo, or playback optical media recorded by other PCs or optical media recorders. Additionally, certain optical media recorded on your optical drive may not playback or operate properly on other PCs or optical media players. These problems are not due to any defect in your Toshiba PC or optical drive. Please refer to your PC's product specification for listing of specific format compatibilities. Recording or viewing of certain optical media may be limited or prevented in accordance with applicable copy protection standards.

[8] **Display**. Small bright dots may appear on your screen display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology. Over a period of time, and depending on the usage of the computer, the brightness of the screen will deteriorate. This is also an intrinsic characteristic of the screen technology. When the computer is operated on battery power, the screen with dim and you may not be able to increase the brightness of the screen while on battery power.

[9] **Wireless** May require purchase of additional software, external hardware, or services. Transmission speeds may vary. Certain optional features within the wireless-n specifications (if available on your system) may not be supported.

[10] **USB Sleep & Charge.** The "USB Sleep & Charge function" may not work with certain external devices even if they are compliant with the USB specification. In those cases, turn the power of the computer ON to charge the device.

[11] **Weight**. Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.

[12] **Software**. Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

Certain Microsoft® software products (including Microsoft Office Small Business Accounting if applicable) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain reinstallations of the software products or reconfigurations of the computer, and may be completed by Internet or telephone (toll charges may apply).

Internet access is required to enable certain functionality of certain Microsoft products (including Microsoft Office Small Business Accounting 2006) which may be included with this computer

Includes Microsoft® Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite.

[13] **Toshiba Media Controller.** Copy protection technology, if any, associated with the content may prevent or limit sharing of content.

[14] **Upconverter/UpconversionTechnology (Resolution+® Technology).** Viewing enhancements may vary depending upon content quality and display device capability/functionality/settings. Depending on the quality of the content, some video noise may be visible.

[15] **Microsoft Office Starter 2010.** Office Starter consists of reduced-functionality versions of Word and Excel with advertising. PowerPoint, Outlook, OneNote, Access and Publisher are not included.

[16] **Warranty.** The terms and conditions of Toshiba's standard limited warranty are available at www.warranty.toshiba.com.

[17] **RoHS.** This notebook is compatible with European Union Directive 2002/95/EC, Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (RoHS), which restricts use of lead, cadmium, mercury, hexavalent chromium, PBB, and PBDE. Toshiba requires its notebook component suppliers to meet RoHS requirements and verifies its suppliers' commitment to meeting RoHS requirements by conducting component sampling inspections during the product design approval process.

[18] **Temperature (Environmental) Conditions**. All temperature references are approximate and the performance of your computer may vary from specifications even when operating within the recommended temperature range.

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